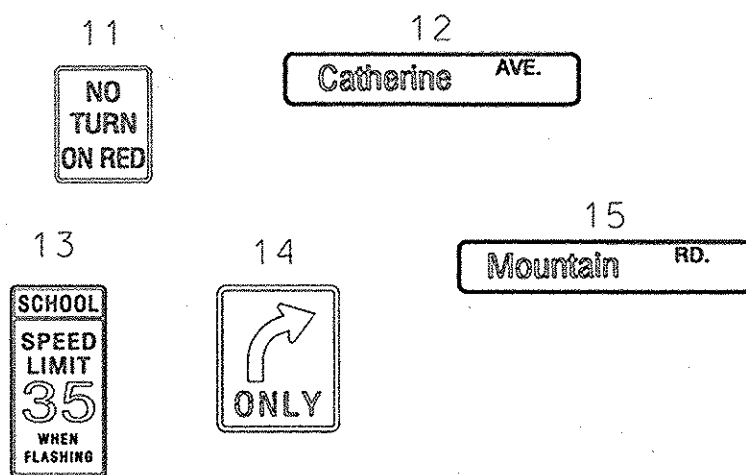
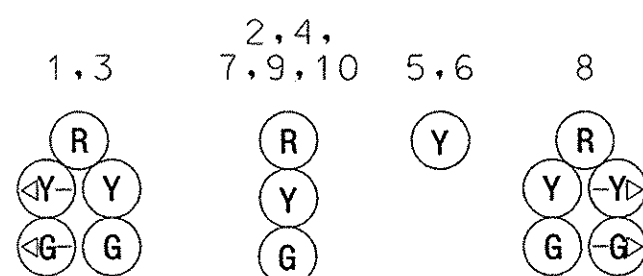


MD 177 IS ASSUMED TO RUN
IN AN EAST / WEST DIRECTION

EXISTING SIGNS



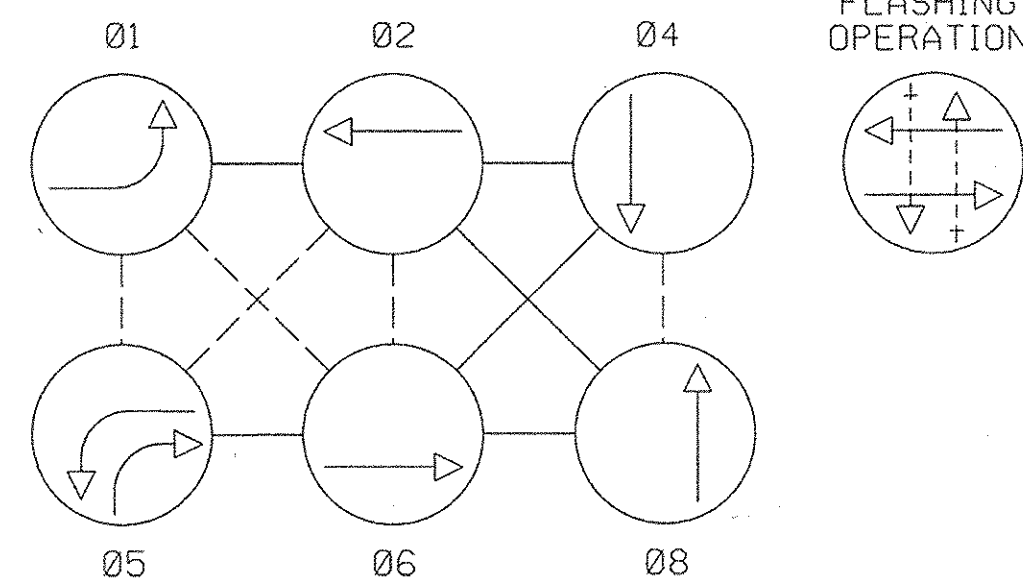
EXISTING SIGNALS



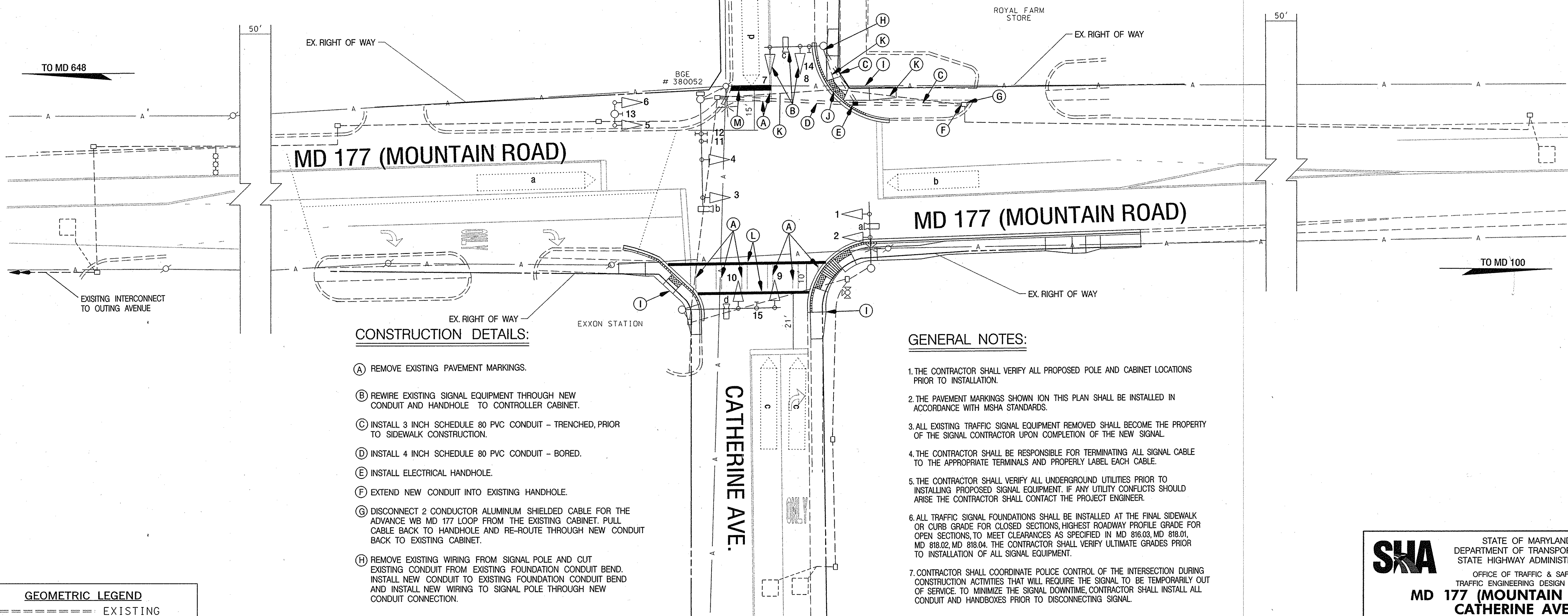
EXISTING VIDEO
DETECTION

a, b, c, d

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS:

- (A) REMOVE EXISTING PAVEMENT MARKINGS.
- (B) REWIRE EXISTING SIGNAL EQUIPMENT THROUGH NEW CONDUIT AND HANDHOLE TO CONTROLLER CABINET.
- (C) INSTALL 3 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED, PRIOR TO SIDEWALK CONSTRUCTION.
- (D) INSTALL 4 INCH SCHEDULE 80 PVC CONDUIT - BORED.
- (E) INSTALL ELECTRICAL HANDHOLE.
- (F) EXTEND NEW CONDUIT INTO EXISTING HANDHOLE.
- (G) DISCONNECT 2 CONDUCTOR ALUMINUM SHIELDED CABLE FOR THE ADVANCE WB MD 177 LOOP FROM THE EXISTING CABINET. PULL CABLE BACK TO HANDHOLE AND RE-ROUTE THROUGH NEW CONDUIT BACK TO EXISTING CABINET.
- (H) REMOVE EXISTING WIRING FROM SIGNAL POLE AND CUT EXISTING CONDUIT FROM EXISTING FOUNDATION CONDUIT BEND. INSTALL NEW CONDUIT TO EXISTING FOUNDATION CONDUIT BEND AND INSTALL NEW WIRING TO SIGNAL POLE THROUGH NEW CONDUIT CONNECTION.
- (I) SEE AX3745133 SITE PLANS FOR SIDEWALK AND RAMP CONSTRUCTION. SIDEWALK RAMP SHALL BE INSTALLED ACCORDING TO SHA STANDARD NO. MD 655.12.
- (J) REMOVE EXISTING HANDHOLE.
- (K) CAP AND ABANDON EXISTING CONDUIT.
- (L) INSTALL 12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, FOR 10 FOOT WIDE CROSSWALK.
- (M) INSTALL 24 INCH WHITE PERMANENT THERMOPLASTIC PAVEMENT MARKINGS, FOR STOPLINE.

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 2. THE PAVEMENT MARKINGS SHOWN ON THIS PLAN SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- 6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 7. CONTRACTOR SHALL COORDINATE POLICE CONTROL OF THE INTERSECTION DURING CONSTRUCTION ACTIVITIES THAT WILL REQUIRE THE SIGNAL TO BE TEMPORARILY OUT OF SERVICE. TO MINIMIZE THE SIGNAL DOWNTIME, CONTRACTOR SHALL INSTALL ALL CONDUIT AND HANDBOXES PRIOR TO DISCONNECTING SIGNAL.

GEOMETRIC LEGEND

===== EXISTING
===== PROPOSED

UTILITY LEGEND

—SD—SD— STORM DRAIN
—G—G— GAS MAIN
—W—W— WATER MAIN
—S—S— SEWER MAIN
—E—E— ELECTRIC CABLES
—A—A— AERIAL CABLES
—T—T— TELEPHONE CABLES
—F—F— FIBER-OPTIC

REVISION J CONSULTANT

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APPROVALS

TEAM LEADER

ASST. DIR. OF

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

① SHA NO. AX3745133
RELOCATE HANDHOLE
10/2007
MJA
① SHA NO. XX1085485
INSTALL LIGHTING BRACKET ARM
AND LUMINAIRE
04-13-04
SWA MR DAZ BK TH
① SHA NO. AA 580-451-585
ADD 6P LT ON EB MD 177
01-30-95
SMR DAZ DA ETP TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 177 (MOUNTAIN ROAD) AT
CATHERINE AVENUE
PASADENA, MARYLAND**

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE CONTRACT NO. AW607501576
DESIGNED BY COUNTY ANNE ARUNDEL
DRAWN BY J.G. LOGMILE 02017702.88
CHECKED BY J.G. T.I.M.S. NO. 1717
F.A.P. NO. N/A T.S. NO. 328 J
DRAWING NO. OF SHEET NO. 1 OF 2

PLOTTED: Friday, October 12, 2007 AT 09:04 AM
FILE: M:\PROJ\207004\08\Cadd\Traffic Signal\Mod\pSG-P017_ADA.dgn